NT1D-V
Veterinary Handheld CO$_2$ Monitor

VETLAND
Medical Sales & Services, LLC
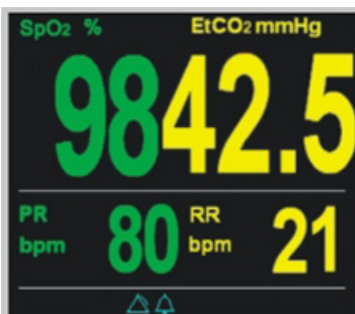
COMPACT, RELIABLE & HIGH PERFORMANCE

The NT1D-V compact handheld CO$_2$ monitor from Vetland Medical measures EtCO2, respiration rate, SpO$_2$ (optional) and pulse rate. The audible and visual physiological and technical alarms are user adjustable and can be pre-set with limits for cats, dogs and horses.

NT1D-V Features:

- High-definition, bright color screen
- Choose between Mainstream or Sidestream CO$_2$
- Diagnostic CO$_2$ /SpO$_2$ waveforms
- Capnograph with Trends
- Three hour graphical trend review
- Up to 99 patient IDs
- Operates on four AA NiMH 2400mAh rechargeable batteries (>4.5 hours) or AC power
- Power charger/cradle included
- Wireless data transmission

Display Options:

Configurations:

- NT1D-B   Handheld Mainstream CO$_2$ Monitor
- NT1D-C   Handheld Sidestream CO$_2$ Monitor
- NT1D-D   Handheld SpO$_2$ & Mainstream CO2 Monitor
- NT1D-E   Handheld SpO$_2$ & Sidestream CO2 Monitor

502-671-1014 | 866-476-0589

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Specifications:

SpO$_2$:	
Measurement Range:	0~100%
Accuracy:	±2% during 70% ~100% 0% ~ 69% unspecified

Pulse Rate:	
Measurement Range:	30bpm~ 250bpm
Accuracy:	1 bpm or ±2% whichever is greater

EtCO$_2$:	
Measurement Range:	0~150mmHg
Resolution:	0.1mmHg (0~69)mmHg 0.25mmHg (70~150)mmHg
Accuracy:	±2mmHg (0~40)mmHg ±5% (41~70)mmHg ±8% (71~100)mmHg ±10% (101~150)mmHg

Respiration Rate:	
Measurement Range:	0~150bpm
Accuracy:	±1bpm

Alarm:
Three levels of visual, audio alarms

Data Transmission:
2.4GHz wireless

USB to PC

<10m without obstruction

Power Requirements:
DC: 9V 700mA

4x2400mAh rechargeable batteries

Battery Capacity: >12 hours (SpO2 only)

Battery Capacity: >5hours (SpO$_2$ + CO$_2$)

Environment:	
Operating Temperature:	32°F ~122°F (0°C~50°C)
Humidity:	<95%
Altitude:	-390m ~ 5,000m
Transport/Storage Temp:	-4°F ~ 158°F (-20°C ~ 70°C)
Humidity:	<95%

Physical Characteristics:	
Dimensions:	73mm(w) x 127mm(h) x 23mm(d)
Maximum Weight:	500g

Compliance:	
1. SpO2:	ISO 9919: 2005 (E)
2. Safety Standards:	EN 60601-1: 1990+A1: 1993+A2: 1995+A13:1996
3. Alarm:	IEC60601-1-8: 2005
4. EMC:	EN 60601-1-2: 2007, Group 1 Class A
5. Environment:	WEEE (2002/96/EC)

Available SpO$_2$ & CO$_2$ Sensors:

Mainstream CO$_2$	
Sidestream CO$_2$	